HIGHLY ERODIBLE LANDS REPORT
Survey Area- SALCHA-BIG DELTA AREA, ALASKA

The ratings for permafrost soils are presented for the soil conditions as mapped. Projected ratings for soils that may thaw are presented below.

Map Symbol	Soil Mapunit Name	HEL Classifications C=1 R=35 wnd	C=1 R=35 wat	C=1 R=35 mu	C=29 R=30 wnd	C=29 R=30 wat	C=29 R=30 mu
BaA	BEALES SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
BaB	BEALES SILT LOAM, UNDULATING	NHEL	PHEL	PHEL	HEL	PHEL	HEL
BaC	BEALES SILT LOAM, ROLLING	NHEL	HEL	HEL	HEL	HEL	HEL
BaE	BEALES SILT LOAM, MODERATELY STEEP	NHEL	HEL	HEL	HEL	HEL	HEL
Br	BRADWAY VERY FINE SANDY LOAM	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
ChA	CHENA VERY FINE SANDY LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
CnA	CHENA SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
CnB	CHENA SILT LOAM, UNDULATING	NHEL	PHEL	PHEL	HEL	PHEL	HEL
EsD	ESTER SILT LOAM, STRONGLY SLOPING	NHEL	PHEL	PHEL	NHEL	PHEL	PHEL
EsE	ESTER SILT LOAM, MODERATELY STEEP	NHEL	PHEL	PHEL	NHEL	PHEL	PHEL
EsF	ESTER SILT LOAM, STEEP	NHEL	HEL	HEL	NHEL	HEL	HEL
FaB	FAIRBANKS SILT LOAM, GENTLY SLOPING	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
FaC	FAIRBANKS SILT LOAM, MODERATELY SLOPING	NHEL	PHEL	PHEL	NHEL	NHEL	NHEL
FaD	FAIRBANKS SILT LOAM, STRONGLY SLOPING	NHEL	PHEL	PHEL	NHEL	PHEL	PHEL
FaE	FAIRBANKS SILT LOAM, MODERATELY STEEP	NHEL	HEL	HEL	NHEL	HEL	HEL
FaF	FAIRBANKS SILT LOAM, STEEP	NHEL	HEL	HEL	NHEL	HEL	HEL
GmC	GILMORE SILT LOAM, MODERATELY SLOPING	NHEL	HEL	HEL	HEL	HEL	HEL
GmD	GILMORE SILT LOAM, STRONGLY SLOPING	NHEL	HEL	HEL	HEL	HEL	HEL
GmE	GILMORE SILT LOAM, MODERATELY STEEP	NHEL	HEL	HEL	HEL	HEL	HEL
GmF	GILMORE SILT LOAM, STEEP	NHEL	HEL	HEL	HEL	HEL	HEL
GrF	GILMORE SILT LOAM, VERY SHALLOW, STEEP	NHEL	HEL	HEL	HEL	HEL	HEL
GtA	GOLDSTREAM SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
GtB	GOLDSTREAM SILT LOAM, GENTLY SLOPING	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
GuA	GOLDSTREAM SILT LOAM, GRAVELLY SUBSOIL` VARIANT NEARLY LEVEL	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
Ja	JARVIS VERY FINE SANDY LOAM, MODERATELY DEEP	NHEL	NHEL	NHEL	HEL	NHEL	HEL
Js	JARVIS VERY FINE SANDY LOAM, SHALLOW	NHEL	NHEL	NHEL	HEL	NHEL	HEL
Lp	LEMETA PEAT	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
MnA	MINTO SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
MnB	MINTO SILT LOAM, GENTLY SLOPING	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
MnC	MINTO SILT LOAM, MODERATELY SLOPING	NHEL	PHEL	PHEL	NHEL	NHEL	NHEL

Map Symbol	Soil Mapunit Name	HEL Classifications C=1 R=35 wnd	C=1 R=35 wat	C=1 R=35 mu	C=29 R=30 wnd	C=29 R=30 wat	C=29 R=30 mu
MnD	MINTO SILT LOAM, STRONGLY SLOPING	NHEL	PHEL	PHEL	NHEL	PHEL	PHEL
NaA	NENANA SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
NaB	NENANA SILT LOAM, GENTLY SLOPING	NHEL	PHEL	PHEL	HEL	PHEL	HEL
NaC	NENANA SILT LOAM, MODERATELY SLOPING	NHEL	HEL	HEL	HEL	HEL	HEL
NaD	NENANA SILT LOAM, STRONGLY SLOPING	NHEL	HEL	HEL	HEL	HEL	HEL
NeA	NENANA SILT LOAM, SANDY SUBSOIL, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
NeB	NENANA SILT LOAM, SANDY SUBSOIL, UNDULATING	NHEL	PHEL	PHEL	HEL	PHEL	HEL
NeC	NENANA SILT LOAM, SANDY SUBSOIL, ROLLING	NHEL	HEL	HEL	HEL	HEL	HEL
RcA	RICHARDSON SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
Sc	SALCHAKET VERY FINE SANDY LOAM	NHEL	NHEL	NHEL	HEL	NHEL	HEL
SuB	SAULICH SILT LOAM, GENTLY SLOPING	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
SuC	SAULICH SILT LOAM, MODERATELY SLOPING	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
SuD	SAULICH SILT LOAM, STRONGLY SLOPING	NHEL	PHEL	PHEL	NHEL	PHEL	PHEL
SvC	STEESE SILT LOAM, MODERATELY SLOPING	NHEL	PHEL	PHEL	HEL	PHEL	HEL
SvD	STEESE SILT LOAM, STRONGLY SLOPING	NHEL	HEL	HEL	HEL	HEL	HEL
SvE	STEESE SILT LOAM, MODERATELY STEEP	NHEL	HEL	HEL	HEL	HEL	HEL
SvF	STEESE SILT LOAM, STEEP	NHEL	HEL	HEL	HEL	HEL	HEL
Ta	TANANA SILT LOAM	NHEL	NHEL	NHEL	NHEL	NHEL	NHEL
Tn	TANANA SILT LOAM, SANDY SUBSOIL VARIANT	NHEL	NHEL	NHEL	HEL	NHEL	HEL
VkA	VOLKMAR SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL
VkB	VOLKMAR SILT LOAM, GENTLY SLOPING	NHEL	PHEL	PHEL	HEL	PHEL	HEL
VmA	VOLKMAR SILT LOAM, SANDY SUBSOIL, NEARLY LEVEL	NHEL	NHEL	NHEL	HEL	NHEL	HEL

NHEL = Not highly erodible land

PHEL = Potentially highly erodible land

HEL = Highly erodible land

PROJECTED RATINGS FOR PERMAFROST SOILS IF ALLOWED TO THAW
FOR SOIL SURVEY AREA - 606 - Salcha Area, thawed

MAP SYMBOL	SOIL MAP UNIT NAME	HEL CLASS WIND	WATER	MAPUNIT
EsD,t	ESTER SILT LOAM, STRONGLY SLOPING	NHEL	HEL	HEL
EsE,t	ESTER SILT LOAM, MODERATELY STEEP	NHEL	HEL	HEL
EsF,t	ESTER SILT LOAM, STEEP	NHEL	HEL	HEL
GtB,t	GOLDSTREAM SILT LOAM, GENTLY SLOPING	NHEL	PHEL	PHEL
MnC,t	MINTO SILT LOAM, MODERATELY SLOPING	NHEL	PHEL	PHEL
MnD,t	MINTO SILT LOAM, STRONGLY SLOPING	NHEL	PHEL	PHEL
SuB,t	SAULICH SILT LOAM, GENTLY SLOPING	NHEL	PHEL	PHEL
SuC,t	SAULICH SILT LOAM, MODERATELY SLOPING	NHEL	HEL	HEL
SuD,t	SAULICH SILT LOAM, STRONGLY SLOPING	NHEL	HEL	HEL

PROJECTED RATINGS FOR PERMAFROST SOILS IF ALLOWED TO THAW
FOR SOIL SURVEY AREA - 606 - Delta Area, thawed

MAP SYMBOL	SOIL MAP UNIT NAME	HEL CLASS WIND	WATER	MAPUNIT
Br,t	BRADWAY VERY FINE SANDY LOAM	HEL	NHEL	HEL
EsD,t	ESTER SILT LOAM, STRONGLY SLOPING	HEL	HEL	HEL
EsE,t	ESTER SILT LOAM, MODERATELY STEEP	HEL	HEL	HEL
EsF,t	ESTER SILT LOAM, STEEP	HEL	HEL	HEL
GtA,t	GOLDSTREAM SILT LOAM, NEARLY LEVEL	HEL	NHEL	HEL
GtB,t	GOLDSTREAM SILT LOAM, GENTLY SLOPING	HEL	PHEL	HEL
GuA,t	GOLDSTREAM SILT LOAM, GRAVELLY SUBSOIL VARIANT, NEARLY	HEL	NHEL	HEL
MnD,t	MINTO SILT LOAM, STRONGLY SLOPING	NHEL	PHEL	PHEL
SuB,t	SAULICH SILT LOAM, GENTLY SLOPING	HEL	PHEL	HEL
SuC,t	SAULICH SILT LOAM, MODERATELY SLOPING	HEL	HEL	HEL
SuD,t	SAULICH SILT LOAM, STRONGLY SLOPING	HEL	HEL	HEL
Ta,t	TANANA SILT LOAM	HEL	NHEL	HEL
Tn,t	TANANA SILT LOAM, SANDY SUBSOIL VARIANT	HEL	NHEL	HEL

NOTE: This report assumes all soils are thawed below 40 inches and the surface layers are drained. T values must be verified by on-site investigation. T from frozen units were used.